(Currently amended) Flame retardant for polymeric compositions, which comprises a mixture of compounds of formula (I) and/or formula (II) and/or formula (III);

#### Formula (I)

$$b = \underbrace{\bigcirc \bigcap_{D \in \mathcal{D}} \bigcap_{C \in \mathcal{C}} \bigcap_{C \in \mathcal{C}} \bigcap_{D \in \mathcal$$

#### Formula (II)

$$B = \bigcup_{Br}^{Dr} O = CH_2 - CH - CH_2 - O = \bigcup_{Br}^{Dr} CH_3 - CH_2 - C$$

#### Formula (III)

## wherein n is an integer,

wherein at least 80 mol% of the end groups of all three formulae in the mixture are tribromophenyl-oxo-2-hydroxypropyl groups, and at most 20 mol% of said the end groups are glycidyl groups, which composition has high molecular weight, has a free tribromophenol content less than 0.1 wt% of the whole flame retardant, and has a content of organic solvents, with boiling point lower than 250°C, lower than 100 ppm of the whole flame retardant.

(Original) Flame retardant according to claim 1, wherein 85 to 100
moi% of the end groups are tribromophenyl-oxo-2-hydroxypropyl
groups and 0 to 15 moil % of the end groups are glycidyl groups.

- (Currently amended) Flame retardant according to claim 1, wherein the content of <u>said</u> organic <del>compounds, particularly</del> solvents, with boiling point lower than 250°C, is lower than 50 ppm.
- (Original) Flame retardant according to claim 1, comprising from 70 to 100 mol% of modified brominated epoxides (BEs) of formula (II), from 30 to 0 mol% of partly modified BEs of formula (III), and from 10 to 0 mol% of unmodified BEs of formula (I).
- (Original) Flame retardant according to claim 1, having molecular weight from 7,000 to 50,000 (Dalton).
- (Original) Flame retardant according to claim 1, having molecular weight higher than 7,000 and lower than 30,000 (Dalton).
- (Original) Flame retardant according to claim 1, having an acid number less than 1 mg KOH/g.
- (Original) Flame retardant according to claim 7, having an acid number less than 0.5 mg KOH/g.
- (Original) Flame retardant according to claim 1, having an epoxy equivalent of more than 10,000.
- 10. (Currently Amended) Polymeric compositions, comprising a base polymer chosen from among polyethylene terephthalate or polybutylene terephthalate or mixtures thereof, or polyamides or polycarbonate and its alloys, and comprising at least one flame retardant for polymeric compositions, which comprises a mixture of compounds of formula (II and/or formula (II) and/or formula (III);

$$\begin{array}{c} \text{CH}_2-\text{CH}-\text{CH}_2\\ \text{OH} \end{array} \\ \begin{array}{c} \text{CH}_2-\text{CH}-\text{CH}_2\\ \text{Br} \end{array} \\ \begin{array}{c} \text{CH}_3\\ \text{CH}_3 \end{array} \\ \begin{array}{c} \text{Br}\\ \text{OH} \end{array} \\ \begin{array}{c} \text{CH}_2-\text{CH}-\text{CH}_2\\ \text{OH} \end{array} \\ \begin{array}{c} \text{Br}\\ \text{OH} \end{array} \\ \begin{array}{c} \text{CH}_3\\ \text{Br} \end{array} \\ \begin{array}{c} \text{CH}_3-\text{CH}_2-\text{CH}-\text{CH}_2\\ \text{OH} \end{array} \\ \begin{array}{c} \text{CH}_3-\text{CH}_3-\text{CH}_3\\ \text{CH}_3 \end{array} \\ \begin{array}{c} \text{CH}_3-\text{CH}_3-\text{CH}_3\\ \text{CH}_3-\text{CH}_3-\text{CH}_3-\text{CH}_3\\ \text{CH}_3-\text{CH}_3-\text{CH}_3-\text{CH}_3-\text{CH}_3-\text{CH}_3-\text{CH}_3\\ \text{CH}_3-\text{C$$

## Formula (I)

$$\label{eq:bispec} \text{In-} \underbrace{ \underbrace{ \underbrace{ \underbrace{ \text{CH}_2 - \text{CH}_2$$

#### Formula (II)

$$\begin{array}{c} B \vdash \bigoplus_{Br}^{Pr} O \vdash CH_2 - CH - CH_2 \\ O \vdash \bigoplus_{Br}^{CH_3} O \vdash CH_2 - CH - CH_2 \\ O \vdash \bigoplus_{Br}^{CH_3} O \vdash CH_2 - CH - CH_2 \\ O \vdash \bigoplus_{Br}^{CH_3} O \vdash CH_2 - CH_2 \\ O \vdash \bigoplus_{Br}^{CH_3} O \vdash CH_2$$

## Formula (III)

#### wherein n is an integer,

- 11. wherein at least 80 mol% of the end groups of all three formulae in the mixture are tribromophenyl-oxo-2-hydroxypropyl groups, and at most 20 mol% of said the end groups are glycidyl groups, which composition has high molecular weight, has a free tribromophenol content less than 0.1 wt% of the whole flame retardant, and has a content of organic solvents, with boiling point lower than 250°C, lower than 100 ppm of the whole flame retardant
- (Original) Polymeric compositions according to claim 10, further comprising hindered phenol antioxidants.
- (Original) Polymeric compositions according to claim 10, further comprising fillers and/or glass reinforcement and/or antioxidants and/or lubricants and/or pigments and/or anti-dripping agents

and/or grades of tale that act as nucleating agents and that reduce the injection molding cycle time.

 (Currently amended) Method for the preparation of flame retardants for polymeric compositions, which comprises a mixture of compounds of formula (I) and/or formula (II) and/or formula (III);

$$\underbrace{\text{CH}_2-\text{CH}-\text{CH}_2}_{\text{Br}} - \underbrace{\text{CH}_3}_{\text{CH}_3} \underbrace{\text{Br}}_{\text{CH}_3} - \underbrace{\text{CH}_2-\text{CH}_2-\text{CH}_2}_{\text{CH}} - \underbrace{\text{CH}_2-\text{CH}_2-\text{CH}_2}_{\text{Br}} - \underbrace{\text{CH}_3}_{\text{Br}} \underbrace{\text{Br}}_{\text{CH}_3} - \underbrace{\text{CH}_2-\text{CH}_2-\text{CH}_2}_{\text{Br}} - \underbrace{\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2}_{\text{Br}} - \underbrace{\text{CH}_3-\text{CH}_3-\text{CH}_3-\text{CH}_3}_{\text{Br}} - \underbrace{\text{CH}_3-\text{CH}_3-\text{CH}_3-\text{CH}_3-\text{CH}_3}_{\text{Br}} - \underbrace{\text{CH}_3-\text{CH}_$$

# Formula (I)

$$B = \underbrace{\begin{pmatrix} B_1 & CH_2 &$$

## Formula (II)

# Formula (III)

## wherein n is an integer,

wherein at least 80 mol% of the end groups of all three formulae in the mixture are tribromophenyl-oxo-2-hydroxypropyl groups, and at most 20 mol% of said the end groups are glycidyl groups, which composition has high molecular weight, has a free tribromophenol content less than 0.1 wt% of the whole flame retardant, and has a content of organic solvents, with boiling point lower than 250°C, lower than 100 ppm of the whole flame retardant, which comprises the steps of reacting low molecular weight brominated epoxide (LMW BE), having low volatile content, with tetrabromobisphenol-A (TBBA), and a component selected from

tribromophenol (TBP), tribromophenylglycidyl ether or a mixture thereof, in the presence of a catalyst.

- (Canceled) Method-according to claim 13, wherein the tribromophenol is replaced totally or partially by tribromophenylglycidyl ether.
- 16. (Canceled) Flame retardant for polymeric compositions, substantially as described and illustrated.
- 17. (Canceled) Polymeric compositions, substantially as described and illustrated.
- (Canceled) Method for the preparation of flame retardants, substantially as described and illustrated.
- (New) Method according to claim 14, wherein the reaction takes place without any solvent at a temperature of 100 to 250°C.